

SECRET

OUT52274

12 NOV 1963

HFS

CJS

CPC

BNS

ACL

P 120201Z  
FM NPIC  
TO DIRNSA

CNO

AFSSO USAF  
YWQLAZC/AFSSO SAC  
YWQLAZC/AFSSO DIA PROD CTR Grace (File))  
ZEM

PRIORITY

25X1

25X1

SECRET. RELEASABLE FROM SSO CHANNELS. SSOS PASS TO APPROPRIATE  
TCOS. CITE NPIC 1454. THE FOLLOWING IS FROM THE NATIONAL PHOTO-  
GRAPHIC INTERPRETATION CENTER:

TAKEN AT THE MOSCOW PARADE

25X1

OF 7 NOVEMBER 1963 REVEALED THREE SURFACE TO AIR MISSILES REPORTED  
BY THE SOVIETS TO BE ANTIMISSILE MISSILES. PRELIMINARY ANALYSIS  
AND MENSURAL DATA OBTAINED FROM PHOTOGRAPHY FURNISHED SHOWS THESE  
TO BE TWO STAGE MISSILES WITH AN OVERALL LENGTH FROM THE TIP OF  
THE PRESSURE PROBE TO THE REAR OF THE BOOSTER NOZZLE OF 48 FEET.  
THESE MISSILES ARE TOWED BY WHAT IS PROBABLY A TRACTOR VERSION OF  
THE MAZ 502 CARGO TRUCK. OTHER PERTINENT DATA OBTAINED IS AS  
FOLLOWS:

BOOSTER:

LENGTH 12.14 FEET

DIAMETER 3.15 FEET

DIAMETER INCLUDING STABILIZER FINS 15.6 FEET

SURFACE AREA OF EACH STABILIZER FIN 26.7 SQUARE FEET

SUSTAINER AND WARHEAD:

LENGTH FROM TIP OF PRESSURE PROBE TO END OF SUSTAINER NOZZLE

SKIRT 35.86 FEET

SECRET

GROUP 1  
Excluded from automatic  
downgrading and  
declassification

LENGTH OF SUSTAINER INCLUDING NOZZLE SKIRT 26.04 FEET  
LENGTH OF NOZZLE SKIRT 1.14 FEET  
DIAMETER OF SUSTAINER 2.65 FEET  
DIAMETER AT JUNCTION OF SUSTAINER AND NOZZLE SKIRT 1.97 FEET  
DIAMETER INCLUDING LENGTH OF CONTROL FINS 6.72 FEET  
SURFACE AREA OF EACH CONTROL FIN 2.55 SQUARE FEET  
DIAMETER INCLUDING LENGTH OF STABILIZER FINS 11.02 FEET  
SURFACE AREA OF EACH STABILIZER FIN 21.55 SQUARE FEET  
LENGTH OF WARHEAD 6.20 FEET  
CURVATURE OF OGIVE -- CANNOT BE DETERMINED ACCURATELY FROM AVAILABLE  
PHOTOGRAPHY  
LENGTH OF PRESSURE PROBE 3.62 FEET  
MAXIMUM DIAMETER OF PRESSURE PROBE 6 INCHES  
MINIMUM DIAMETER OF PRESSURE PROBE 2 INCHES  
TRACTOR AND TRAILER:  
OVERALL LENGTH OF TRACTOR AND TRAILER 61.57 FEET  
LENGTH OF TRAILER 45.8 FEET  
MAXIMUM WIDTH OF TRAILER 12.6 FEET

THE ABOVE DIMENSIONS ARE BASED ON THE ASSUMPTION THAT THE WHEEL  
BASE OF THE VEHICLE TOWING THE MISSILE IS 4520 MM, AND THAT ITS  
HEIGHT OVER CAB IS 2725 MM. ALL VALUES ARE CONSIDERED ACCURATE  
TO LESS THAN 6 INCHES BASED ON THE ABOVE ASSUMPTIONS.

ADDITIONAL DETAILS WILL BE PROVIDED IN A FORTHCOMING NPIC  
REPORT.

S E C R E T

END OF MESSAGE

(ABOVE MESSAGE ALSO PASSED TO CIA WATCH OFFICE)